

A. AMENDMENTS TO THE CLAIMS

1. (previously amended) An electric vehicle comprising:
a first wheeled axle exclusively only electrically driven, said first wheeled axle exclusively having only electric regenerative brakes;
a second wheeled axle, which is non-driven, and said second wheeled axle exclusively having only friction brakes.
2. (original) An electric vehicle as described in claim 1, wherein said first wheeled axle is a front axle.
3. (original) An electric vehicle as described in claim 1, wherein said first wheeled axle is a rear axle.
4. (previously amended) A method of braking an electric vehicle which has a first wheeled axle exclusively electrically driven, said first wheeled axle exclusively having only electric regenerative brakes, and a second wheeled axle which is non-driven, said second wheeled axle exclusively having only friction brakes, said method comprising:
sensing a headroom available for regeneratively braking said vehicle; and dissipating power through a thermal resistor to provide additional regenerative braking for said vehicle;
electrically regeneratively braking said first axle to a first level; and
frictionally braking said second axle to provide a braking force upon said vehicle greater than a braking force provided by said electric regenerative brakes.
5. (canceled)
6. (canceled)
7. (previously amended) A vehicle comprising:
a first wheeled axle electrically driven, said first wheeled axle exclusively having only electric regenerative brakes; and
a second wheeled axle driven by an internal combustion engine, said second wheeled axle exclusively having only friction brakes.

8. (original) An electric vehicle as described in claim 7, wherein said internal combustion engine can additionally compression brake said second wheeled axle.

9. (original) A vehicle as described in claim 7, wherein said first wheeled axle is a front axle.

10. (original) A vehicle as described in claim 7, wherein said first wheeled axle is a rear axle.

11. (original) A vehicle as described in claim 7, additionally having a secondary electric motor generator for powering said second wheeled axle.

12. (currently amended) A method of braking a vehicle having a first wheeled axle exclusively electrically driven, said first wheeled axle exclusively having only electric regenerative brakes, and said vehicle having a second wheeled axle driven by an internal combustion engine, said second wheeled axle exclusively having only friction brakes, said method comprising:

monitoring a headroom of regenerative braking available and dissipating power through a thermal resistor to make more headroom available for regenerative braking;

electrically regeneratively braking said first wheeled axle up to a first level; and

frictionally braking said second wheeled axle when said a braking requirement of said vehicle is above said first level.

13. (original) A method of braking a vehicle as described in claim 12, additionally comprising compression braking said first wheeled axle with said internal combustion engine up to said first level and above said first level of braking said vehicle.

14. (canceled)

15. (canceled)